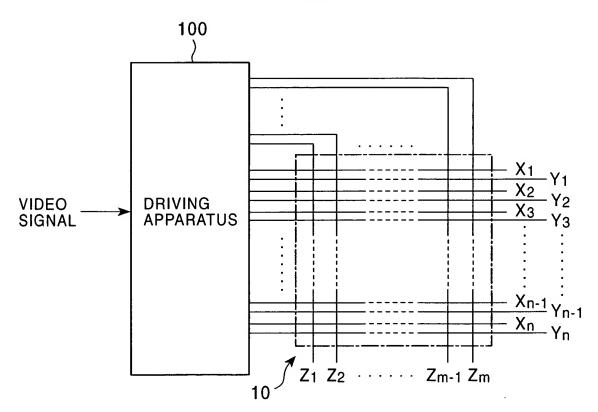


FIG. 1

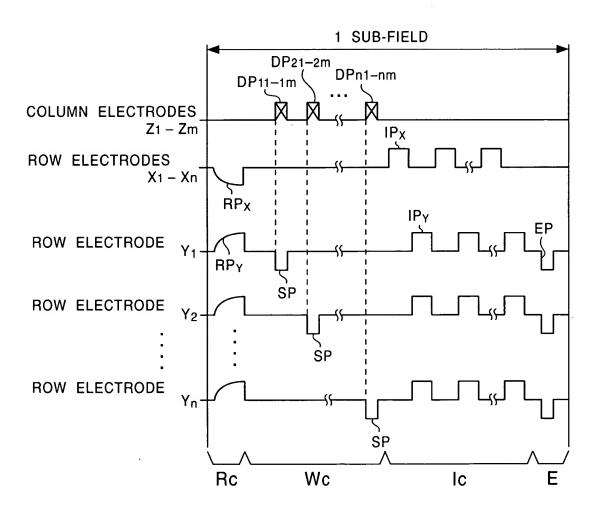


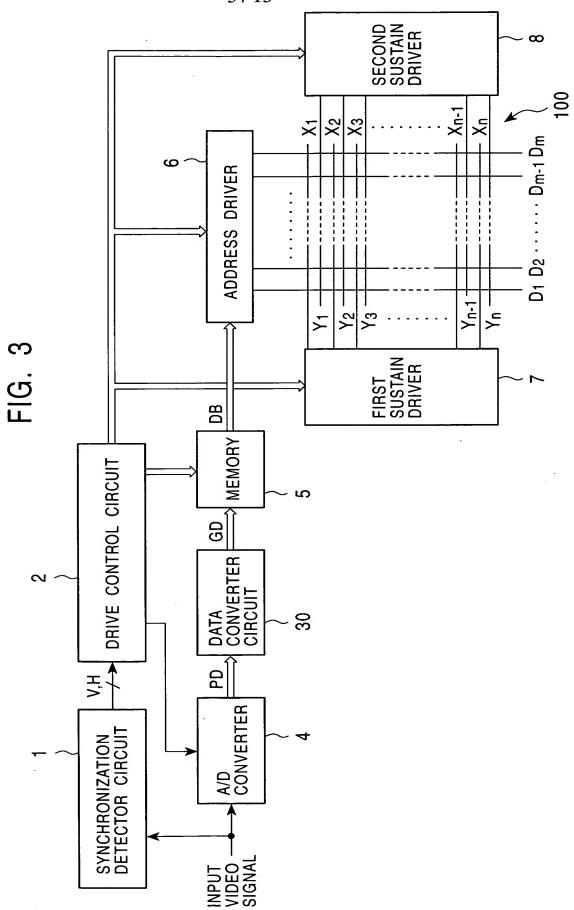
Inventor's name: Takashi IWAMI Title: Display panel driving method Application No.: 10/801,638 Filed: March 17, 2004 Group Art Unit: 2871

SUGHRUE Reference No.: Q80393 SUGHRUE Telephone No.: 202-293-7060

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FIG. 2





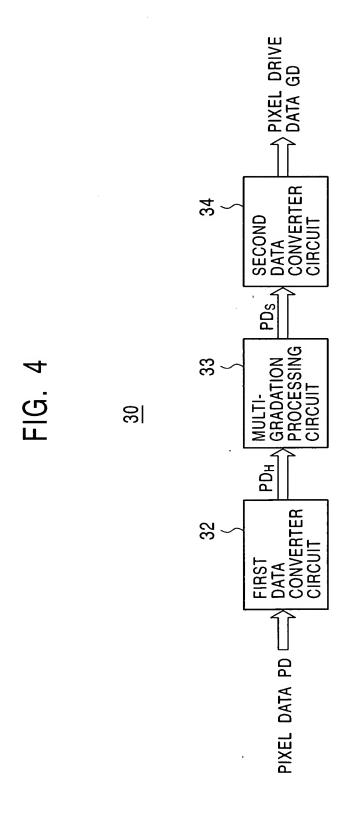
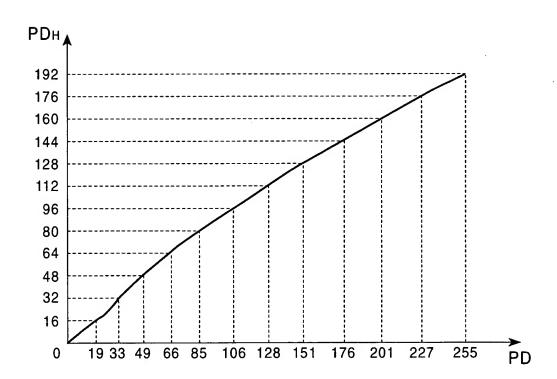


FIG. 5



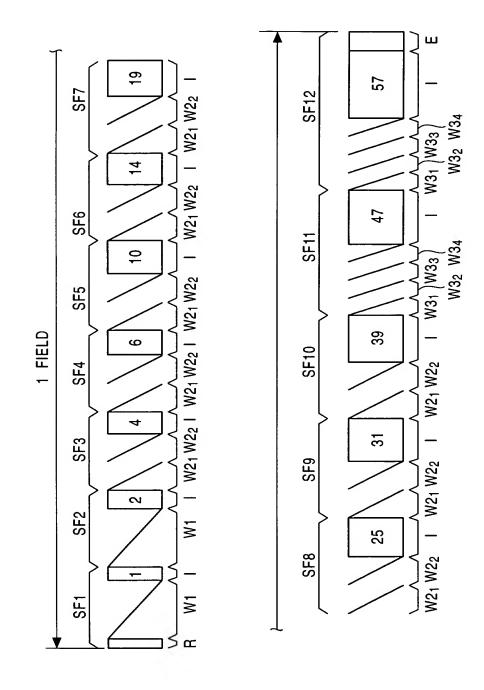
Inventor's name: Takashi IWAMI Title: Display panel driving method Application No.: 10/801,638 Filed: March 17, 2004

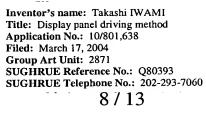
Group Art Unit: 2871

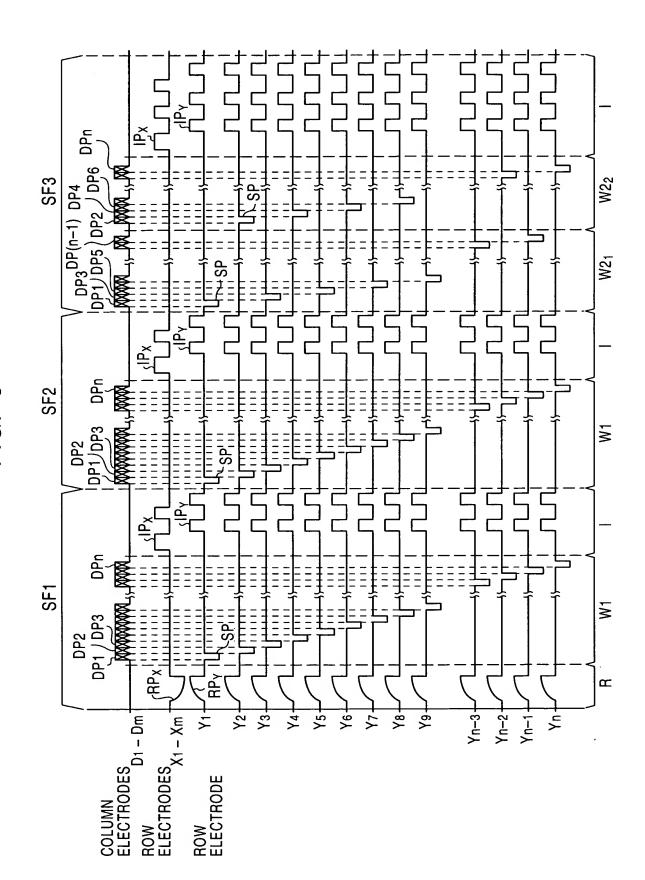
SUGHRUE Reference No.: Q80393 SUGHRUE Telephone No.: 202-293-7060

LUMINANCE SF 12 SF SF 10 11 O LIGHT EMISSION DRIVING PATTERN FOR ONE FIELD S 9 SFSFSF (∞ SF O SF O Ŗ SF SF SECOND O CONVERSION TABLE FOR S DATA CONVERTER CIRCUIT ∞ g ဖ S က PDs GRADATION LEVEL ထ တ 9 /

BLACK CIRCLE: SELECTIVE ERASURE DISCHARGE WHITE CIRCLE: SUSTAIN DISCHARGE LIGHT EMISSION





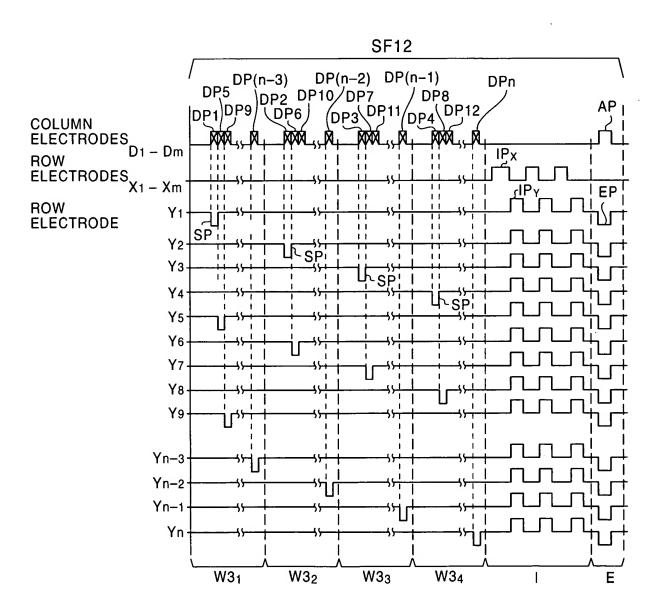


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Group Art Unit: 2871

SUGHRUE Reference No.: Q80393 SUGHRUE Telephone No.: 202-293-7060

FIG. 9



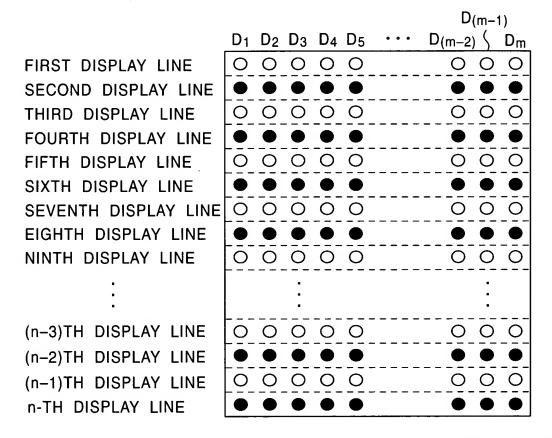
Inventor's name: Takashi IWAMI Title: Display panel driving method Application No.: 10/801,638

Filed: March 17, 2004 Group Art Unit: 2871

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FIG. 10



○: LIGHT EMISSION MODE●: LIGHT EXTINCTION MODE

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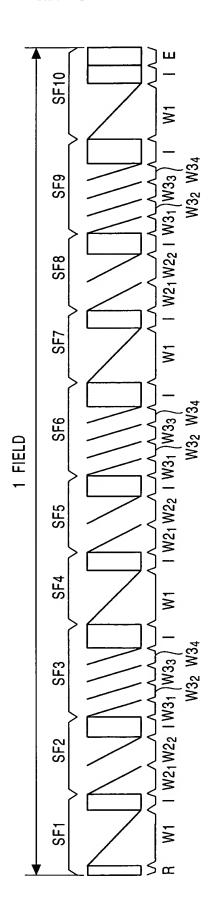
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FIG. 11

 $D_{(m-1)}$ $D_{(m-2)}$ $D_{\underline{m}}$ D₁ D₂ D₃ D₄ D₅ 0000 0 FIRST DISPLAY LINE 00 SECOND DISPLAY LINE 0 0 0 0 0 THIRD DISPLAY LINE FOURTH DISPLAY LINE 00 FIFTH DISPLAY LINE 0 0 SIXTH DISPLAY LINE \circ SEVENTH DISPLAY LINE EIGHTH DISPLAY LINE NINTH DISPLAY LINE 00000 \circ (n-3)TH DISPLAY LINE 00000 00 (n-2)TH DISPLAY LINE (n-1)TH DISPLAY LINE 0 0 0 0 0 0 0 n-TH DISPLAY LINE

○: LIGHT EMISSION MODE●: LIGHT EXTINCTION MODE

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Inventor's name: Takashi IWAMI Title: Display panel driving method Application No.: 10/801,638 Filed: March 17, 2004 Group Art Unit: 2871 SUGHRUE Reference No.: Q80393 SUGHRUE Telephone No.: 202-293-7060 13/13 W21 W22 1 E ш SF10 SF10 SF10 ₹ W21 W22 | W21 W22 | W21 W22 | W32 W34 SF9 SF9 SF9 ⋚ SF8 SF8 SF8 \leq SF7 SF7 SF7 ₹ W21 W22 | W21 W22 | W21 W22 | SF6 SF6 SF6 \mathbb{X} FIELD FIELD 1 FIELD SF5 SF5 SF5 ₹ SF4 SF4 SF4 **X** W2₁ W2₂ I W32 W34 SF3 SF3 SF3 **X** W2₁ W2₂ I W32 W34 SF2 SF2 SF2 **X** R W21 W22 1 SF1 SF1 SF1 ₹ α (3M-1)TH FIELD α